Comment	Review Section: 4.Service Conditions								
1	Name	Affiliation	Page	Subclause	**Line**	**Comment**	**Proposed Change**	**Disposition Status (accepted/rejected/revised)**	**Disposition Detail**
2	Peter Zhao	Hydro One	5	4.1	30	add 105^{o}C maxi temp limit	Add: and does not exceed 105^{o}C maximum	Zhao to work w. transformer committee to get clearification	Can't agree,
3	Peter Zhao	Hydro One	13	4.1	31	add temperature limit for bottom terminal connection, say, 105^{o}C maxi temp	Add: - The bottom terminal and lead connections do not exceed a 105 ^{o}C.	TBD	status same as top terminal, need to consider transformer leads; who's responsible - bushing or transformer; how to measure; transformer guys don't measure - thermal scan not sensitive enough (no diff. 105 or 110C)
4	Peter Zhao	Hydro One	6	4.2.2	14	add seismic conditions	Add: or seismic conditions	Accpeted/Revised	Also to reference IEEE 693
5	Ryan Musgrove	Oklahoma Gas & Electric	5	4.1	31	This line has the temperature measurement in K, while all other references are in °C.	For consistancy, chance this temperature to 30°C	To seek IEEE clearification	
6	Ryan Musgrove	Oklahoma Gas & Electric	5	4.1	32	The dash on the dashed list appears to have been accidentally deleted		Editorial issue?	

Comment	5. Rating								
1	Name	Affiliation	Page	Subclause	Line	Comment	Proposed Change	Disposition Status (accepted/rejected/revised)	Disposition Detail
2	Shibao Zhang	PCORE Electric Company Inc	8	5.4.1		Thermal base rating to reflect C57.19.04 in last sentence	To add "for the bushings used for enclosed bus duct or similar situation where the air temperature around the bushings exceeds the ambient temperature, reference to C57.19.04"	to further review	To work with C57.19.04 -to circulate 04 draft (already on website)
3	Shibao Zhang	PCORE Electric Company Inc	8	5.4.2		To be clearer about "draw-lead conductor"	To change "draw-lead conductor" to "draw-lead conductor (rod or cable)"	to revise	to "draw-lead conductor (solid or cable)
4	Scott Digby	Duke Energy	7	5.3		Add reference to C57.19.04.	Change the phrase in parenthesis at the end of this section to (shown in Table 1 of IEEE Std C57.19.01 and Table 1 of C57.19.04).		
5	Scott Digby	Duke Energy	7			Add section to cover "Rated dry switching-impulse voltage" since C57.19.04 will reference this test and not the "Wet..." version of the test that is already included. [Note: I'll also be submitting a suggestion to add an applicable sub-clause within section 7.2 to describe the test, similarly to the "wet" version]	Add the section noted		
6	Scott Digby	Duke Energy	7	5.4.1		Add reference to C57.19.04 in the last paragraph of this section.	Suggest adding the text "For bushings located within bus enclosures refer to C57.19.04 for requirements." at the end of the last paragraph of this section.		

Comment	7. Test Procedure								
1	Name	Affiliation	Page	Subclause	Line	Comment	Proposed Change	Disposition Status (accepted/rejected/revised)	Disposition Detail
2	Shibao Zhang	PCORE Electric Company Inc	11	7.1.2	1st point	Mounting bushing for electrical tested in bushing factory could be different from real application; horizontally-mounted bushings may be also tested vertically for electrical purpose.	Change to "For electrical test, bushings shall be mounted on a supporting structure and with their ends in the media of the type in which the are intended to operate."		
3	Shibao Zhang	PCORE Electric Company Inc	13	7.2.2.2		Horizontal bushings	Too add "a bushing intended for horizontal mounting may be tested in vertical position as long as it can be demonstrated that effect of the bushing weight is considered during the tests".		
4	Shibao Zhang	PCORE Electric Company Inc	14	7.2.4	f)	change of ambient temperature affects the temperature	To change "1°C" to "1K rise"		
5	Shibao Zhang	PCORE Electric Company Inc	16	7.4.1	2nd paragraph	C2 test is normally at 2 kV for bushings with voltage tap	To change "10 kV" to "2 kV".		
6	Shibao Zhang	PCORE Electric Company Inc	16	7.4.2		bushing with no tap can be tested with UST as long as the flange is isolated	At the end of 2nd paragraph, to add" the bushing may be also tested by the UST method when the bushing flange is isolated from the ground".		
7	Shibao Zhang	PCORE Electric Company Inc	17	7.4.3	Last paragraph	C57.12.90 still accept RIV test	To delete last paragraph		

Comment	7. Incorporating 19.04								
1	Name	Affiliation	Page	Subclause	Line	Comment	Proposed Change	Disposition Status (accepted/rejected/revised)	Disposition Detail
2	Scott Digby	Duke Energy	1	1.2		Add reference to C57.19.04 within this section.	Change the start of the 2nd sentence of this section to "See IEEE Std C57.19.01™ and C57.19.04™…"		
3	Scott Digby	Duke Energy	2	2		Add C57.19.04 as a normative reference (adding date once published).	As stated in comment		
4	Scott Digby	Duke Energy	6	4.2.2		Reword the 6th item in the list of examples to reference C57.19.04	Reword the 6th item as "Unusual temperature applications such as when located within bus enclosures (i.e., isophase or non-segmented bus duct, air terminal chamber). Refer to C57.19.04 for such service conditions.		
5	Scott Digby	Duke Energy	7	5.3		Add reference to C57.19.04.	Change the phrase in parenthesis at the end of this section to (shown in Table 1 of IEEE Std C57.19.01 and Table 1 of C57.19.04).		
6	Scott Digby	Duke Energy	7			Add section to cover "Rated dry switching-impulse voltage" since C57.19.04 will reference this test and not the "Wet…" version of the test that is already included. [Note: I'll also be submitting a suggestion to add an applicable sub-clause within section 7.2 to describe the test, similarly to the "wet" version]	Add the section noted		
7	Scott Digby	Duke Energy	7	5.4.1		Add reference to C57.19.04 in the last paragraph of this section.	Suggest adding the text "For bushings located within bus enclosures refer to C57.19.04 for requirements." at the end of the last paragraph of this section.		
8	Scott Digby	Duke Energy	8	6		Add reference to C57.19.04 within this section.	Change the applicable text of the 2nd sentence of this section to "…or in IEEE Std C57.19.01™ and C57.19.04™ under corresponding headings."		
9	Scott Digby	Duke Energy	10	7		Add Dry switching-impulse withstand voltage to Table 2, with reference to new clause describing the test.	As stated in comment		
10	Scott Digby	Duke Energy	13	7.2.1		Add section to desribe "Dry switching-impulse withstand voltage" test.			